

FIG.1.

Room Temperature
CDDR8: $\xrightarrow{\text{SmC}^*}$ 57 °C $\xrightarrow{\text{Iso}}$

High tilt angle, independent of temperature.

Saturated switching.

CDDR8 -

Tilt angle Vs Temperature

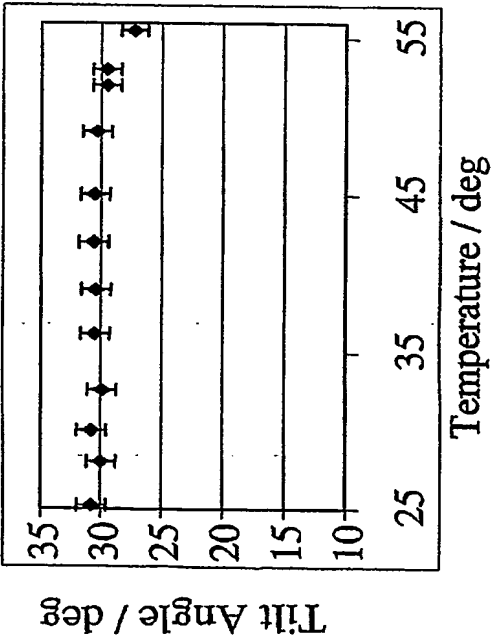


Figure 2a

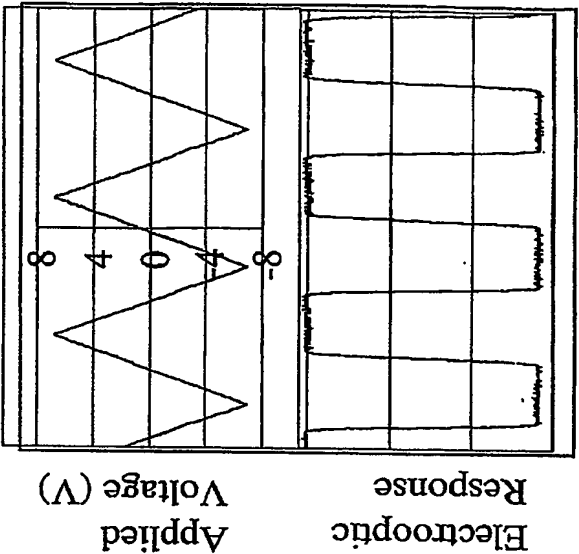


Figure 2b

FIGURE 2

Siloxane oligomerCDRR8
(2.0 μm , nylon 6-6)

Figure 3(a)
Before alignment After alignment



CS2005
2.81 μm ,
nylon 6-6
↓↑

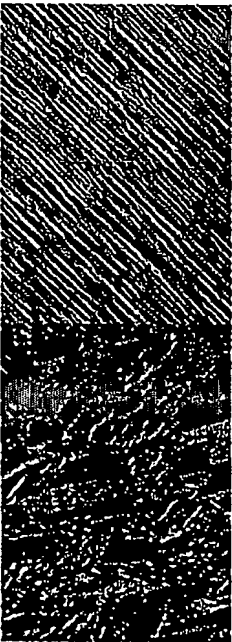
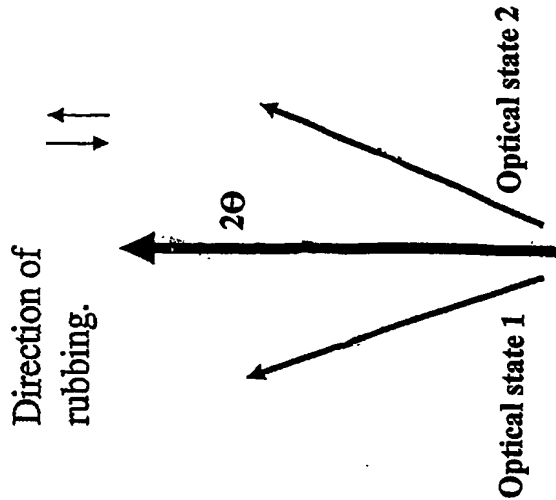


Figure 3(b)



θ is the effective tilt angle

Fields of approximately 10 V/ μm
and freq. of 1-10 kHz

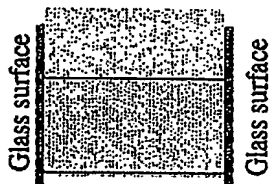
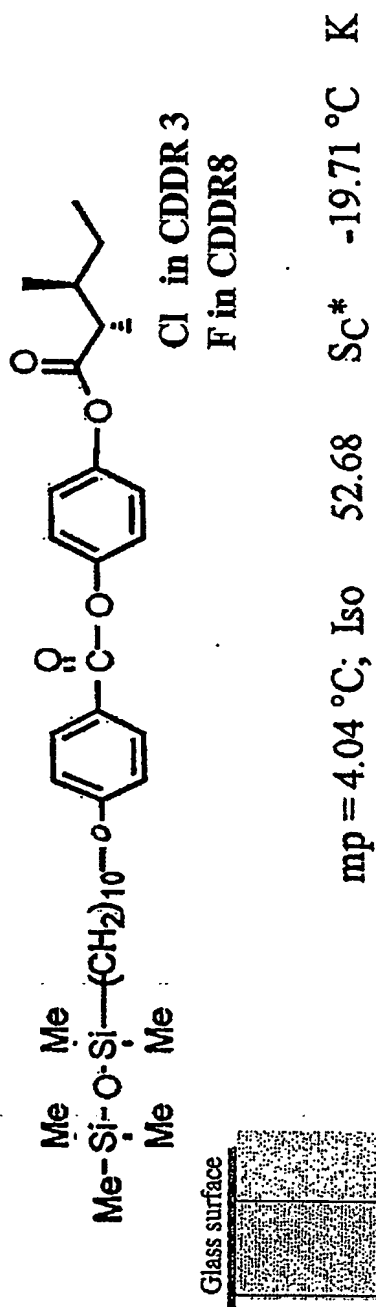


Figure 4(a)

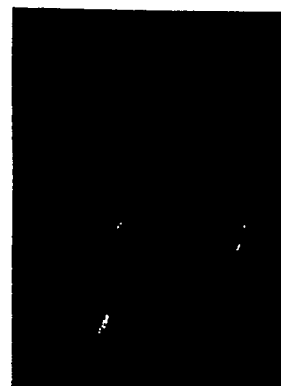


Figure 4(b)

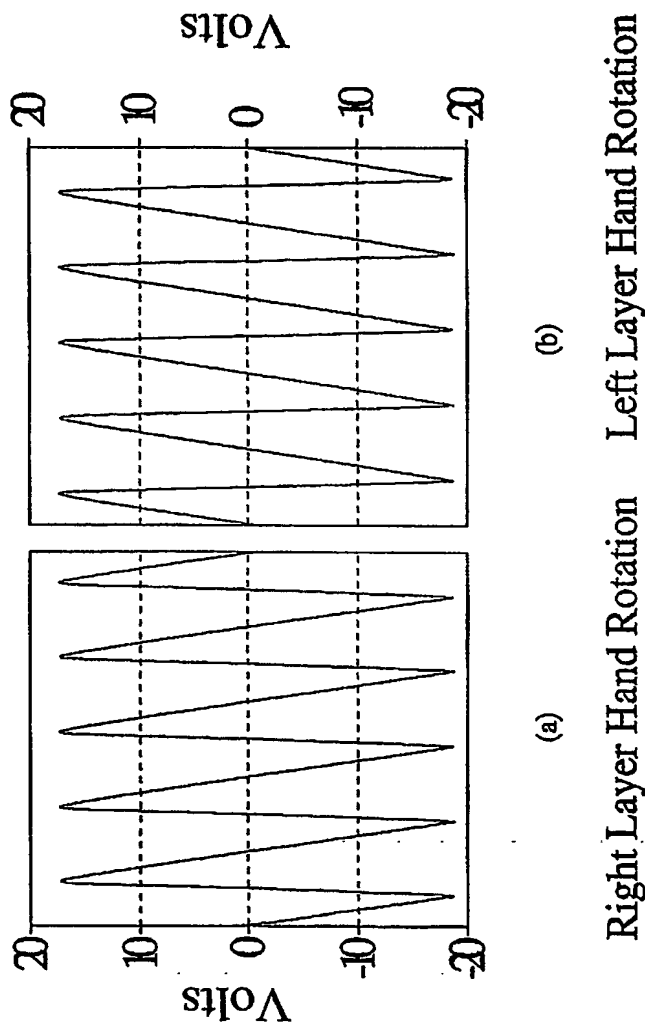


Figure 5

Negative-Positive

Value of I_0 -crossed
at the end of T4

Positive-Negative

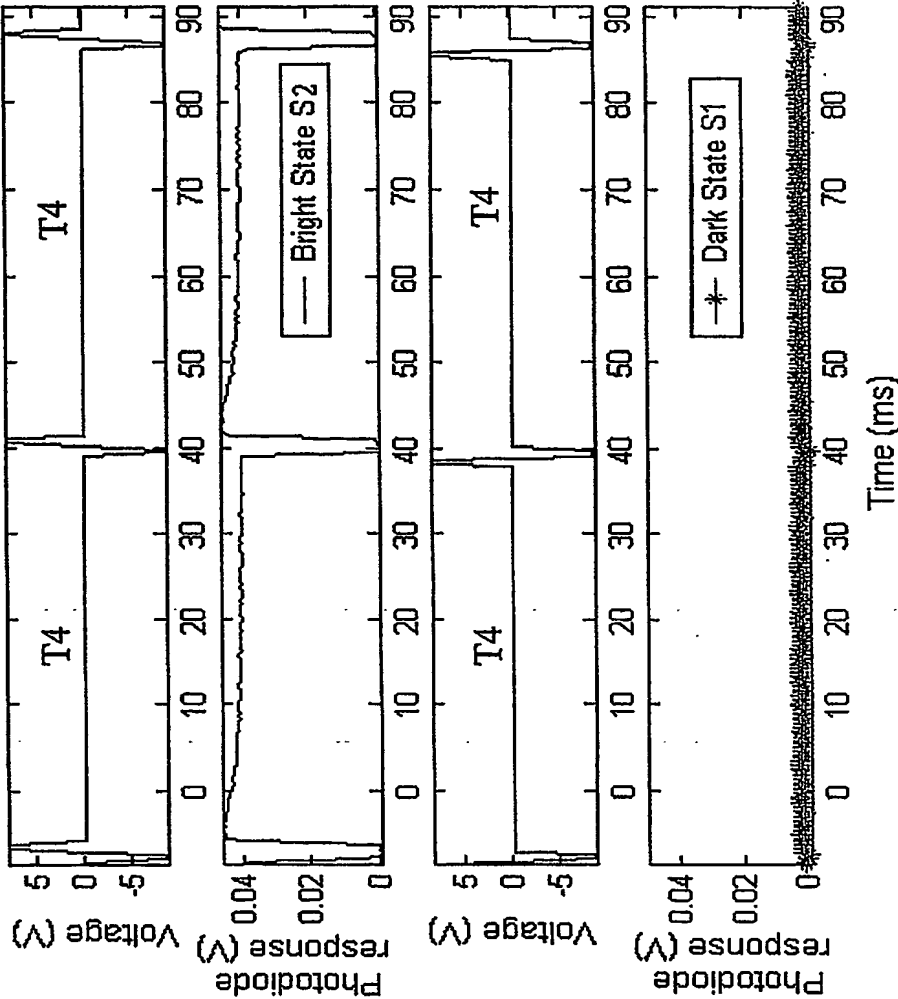


Figure 6(a)

Figure 6(b)

Figure 6(c)

Figure 6(d)